L Number	Hits	Search Text	DB	Time stamp
1	1	(Christopher near Creech.in.) or (Timothy near Jegla.in.)	USPAT; US-PGPUB; EPO; DERWENT	2002/07/04 10:09
6	20	cyclic adj1 nucleotide-gated adj1 ion adj1 channel?	USPAT; US-PGPUB; EPO; DERWENT	2002/07/04 10:10

	U	1	~~Document ID~~	Issue Date	Pages	Title	Current OR
1	☐	☐	US 6413741 B1	20020702	37	Human elk a voltage-gated potassium channel subunit	435/69.1

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	435/320.1; 435/325; 435/6; 536/23.5		Jegla, Timothy J. et al.	☒	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
1	US 6413741	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
1	☒	☐	US 20010056090 A1	20011227	36	3-substituted piperidines comprising urea functionality, and methods of use thereof	514/211.15
2	☒	☐	US 20020012611 A1	20020131	55	METHODS FOR RAPIDLY IDENTIFYING USEFUL CHEMICALS IN LIQUID SAMPLE	422/65
3	☒	☐	US 20020016337 A1	20020207	107	Heterocyclic analgesic compounds and methods of use thereof	514/317
4	☒	☐	US 20020037548 A1	20020328	45	Isolated human transporter proteins, nucleic acid molecules incoding hum an transporter proteins, and uses thereof	435/69.1
5	☒	☐	US 20020051997 A1	20020502	56	SF, A NOVEL FAMILY OF TASTE RECEPTORS	435/7.1
6	☐	☐	US 20020065265 A1	20020530	45	Antipsychotic sulfonamide-heterocycles, and methods of use thereof	514/211.01

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1	514/233.8; 514/237.8; 514/252.12 ; 514/254.06 ; 514/322; 514/331; 514/394; 544/139; 544/370; 544/402; 546/200; 546/231		Aquila, Brian M. et al.	☐	☐	☐	☐	☐	☐	☐
2	422/100; 422/104; 422/63; 422/67; 435/288.3; 435/288.7; 436/180; 436/43; 436/47; 436/48		STYLLI, CHARI et al.	☐	☐	☐	☐	☐	☐	☐
3	546/229		Cuny, Gregory D. et al.	☐	☐	☐	☐	☐	☐	☐
4	435/183; 435/325; 435/6; 435/7.1; 530/350; 536/23.2; 800/8		Guegler, Karl et al.	☐	☐	☐	☐	☐	☐	☐
5	530/350		ZUKER, CHARLES S. et al.	☐	☐	☐	☐	☐	☐	☐
6	514/217.12 ; 514/218; 514/227.5; 514/237.8; 514/255.02 ; 514/327; 540/544; 540/575; 540/609; 544/162; 544/383; 544/59; 546/216		Wu, Xinhe et al.	☒	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
1	US 20010056090	☐
2	US 20020012611	☐
3	US 20020016337	☐
4	US 20020037548	☐
5	US 20020051997	☐
6	US 20020065265	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
7	☒	☐	US 5356775 A	19941018	39	Primary structure for functional expression from complementary DNA of a mammalian ATP-sensitive potassium channel	435/6
8	☒	☐	US 5670113 A	19970923	38	Automated analysis equipment and assay method for detecting cell surface protein and/or cytoplasmic receptor function using same	422/63
9	☒	☐	US 5807689 A	19980915	55	Methods for identifying compounds that modulate metabotropic glutamate receptor activity	435/7.8
10	☒	☐	US 5912122 A	19990615	25	Nucleic acids encoding and method for detecting nucleic acid encoding human metabotropic glutamate receptor subtype mGluR6	435/6
11	☒	☐	US 5985214 A	19991116	64	Systems and methods for rapidly identifying useful chemicals in liquid samples	422/65
12	☒	☐	US 6001581 A	19991214	56	Cation-based bioassay using human metabotropic glutamate receptors	435/7.21
13	☒	☐	US 6057114 A	20000502	39	Automated assays and methods for detecting and modulating cell surface protein function	435/7.21

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
7	435/252.3; 435/320.1; 435/69.1; 536/23.5		Hebert, Steven C. et al.	☐	☐	☐	☐	☐	☐	☐
8	356/414; 356/418; 422/67; 422/82.09; 436/164; 436/43; 436/50		Akong, Michael Anthony et al.	☐	☐	☐	☐	☐	☐	☐
9	435/325; 435/69.1; 435/7.1; 435/7.2; 435/7.21		Daggett, Lorrie et al.	☐	☐	☐	☐	☐	☐	☐
10	435/325; 536/23.5; 536/24.31		Daggett, Lorrie P. et al.	☐	☐	☐	☐	☐	☐	☐
11	422/63; 422/66; 422/67; 700/112; 700/214		Stylli, Chari et al.	☐	☐	☐	☐	☐	☐	☐
12	435/325; 435/69.1; 436/501; 530/350; 536/23.5		Johnson, Edwin C. et al.	☐	☐	☐	☐	☐	☐	☐
13	422/50; 422/55; 422/62; 422/67; 422/68.1; 422/82.03; 422/82.07; 422/82.08; 435/40.5; 435/40.51; 435/40.52; 435/7.2; 436/43; 436/519; 436/800; 436/807; 436/809		Akong, Michael Anthony et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
7	US 5356775	☐
8	US 5670113	☐
9	US 5807689	☐
10	US 5912122	☐
11	US 5985214	☐
12	US 6001581	☐
13	US 6057114	☐

	U	1	~~Document ID~~	Issue Date	Pages	Title	Current OR
14	☒	☐	US 6171780 B1	20010109	29	Low fluorescence assay platforms and related methods for drug discovery	435/4
15	☒	☐	US 6362009 B1	20020326	47	Solid phase synthesis of heterocycles	436/518
16	☒	☐	US 6362316 B1	20020326	25	Human metabotropic glutamate receptor subtype mGluR6 protein	530/350
17	☒	☐	US 6372183 B1	20020416	40	Automated analysis equipment and assay method for detecting cell surface protein and/or cytoplasmic receptor function using same	422/63
18	☒	☐	US 6383778 B1	20020507	37	Nucleic acids encoding a G-protein coupled receptor involved in sensory transduction	435/69.1

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
14	422/102; 435/968; 435/975		Pham, Andrew A. et al.	☐	☐	☐	☐	☐	☐	☐
15	435/DIG.49 ; 436/523; 436/524; 436/525; 436/526; 436/527; 436/528; 436/529; 436/530; 436/531; 546/1; 546/249; 546/290; 546/297; 546/298; 546/299; 546/304; 546/310; 546/314; 546/347; 546/348		Munoz, Benito et al.	☐	☐	☐	☐	☐	☐	☐
16	435/252.3; 435/254.11 ; 435/320.1; 435/325; 435/471; 435/69.1; 435/71.1; 435/71.2; 536/23.5		Daggett, Lorrie P. et al.	☐	☐	☐	☐	☐	☐	☐
17	422/67; 422/82.08; 436/164; 436/172; 436/43; 436/50		Akong, Michael Anthony et al.	☐	☐	☐	☐	☐	☐	☐
18	435/252.3; 435/320.1; 435/6; 435/7.1; 435/7.2; 435/7.21; 436/501; 530/350; 536/23.5; 536/24.31		Zuker, Charles S. et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
14	US 6171780	☐
15	US 6362009	☐
16	US 6362316	☐
17	US 6372183	☐
18	US 6383778	☐

	U	1	Document ID	Issue Date	Pages	Title	Current OR
19	☒	☐	US 6413764 B1	20020702	57	Human metabotropic glutamate receptors, nucleic acids encoding same and uses thereof	435/252.3
20	☒	☐	WO 200188090 A	20011126		New polypeptide, useful for screening for modulators of cyclic nucleotide-gated ion channels, comprises the isolated cyclic nucleotide-gated cation channel 3 beta subunit	

	Current XRef	Retrieval Classif	Inventor	S	C	P	2	3	4	5
19	435/252.8; 435/254.2; 435/254.21; 435/254.22; 435/254.3; 435/320.1; 435/325; 536/23.1		Daggett, Lorrie et al.	☐	☐	☐	☐	☐	☐	☐
20			CREECH, C D et al.	☐	☐	☐	☐	☐	☐	☐

	Image Doc. Displayed	PT
19	US 6413764	☐
20		☐

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FILE 'HOME' ENTERED AT 10:00:53 ON 04 JUL 2002

=> file medline
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                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

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 MeSH 2002 vocabulary.  Enter HELP THESAURUS for details.

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 SUBSTANCE IDENTIFICATION.

=> s (Creech, C.? or Creech C.?)/au
             3 CREECH, C.?/AU
             3 CREECH C.?/AU
L1           3 (CREECH, C.? OR CREECH C.?)/AU

=> s (Jegla, T.? or Jegla T.?)/au
             7 JEGLA, T.?/AU
             7 JEGLA T.?/AU
L2           7 (JEGLA, T.? OR JEGLA T.?)/AU

=> s cyclic nucleotide-gated channel
        118141 CYCLIC
             4 CYCLICS
        118143 CYCLIC
                  (CYCLIC OR CYCLICS)
         98132 NUCLEOTIDE
         77604 NUCLEOTIDES
        155543 NUCLEOTIDE
                  (NUCLEOTIDE OR NUCLEOTIDES)
         13007 GATED
         89366 CHANNEL
         82393 CHANNELS
        126758 CHANNEL
                  (CHANNEL OR CHANNELS)
L3         353 CYCLIC NUCLEOTIDE-GATED CHANNEL
                  (CYCLIC(W)NUCLEOTIDE(W)GATED(W)CHANNEL)

=> s L1 and L3
L4           0 L1 AND L3

=> s L2 and L3
L5           0 L2 AND L3

=> d L1

L1   ANSWER 1 OF 3     MEDLINE
AN   94128466     MEDLINE
DN   94128466   PubMed ID: 8297672
TI   Ectopic pregnancy.
AU   Creech C J
SO   JOURNAL OF THE AMERICAN ACADEMY OF NURSE PRACTITIONERS, (1993 Nov-Dec) 5
     (6) 249-58.  Ref: 34
     Journal code: 8916634. ISSN: 1041-2972.
CY   United States
DT   Journal; Article; (JOURNAL ARTICLE)
     General Review; (REVIEW)
     (REVIEW, TUTORIAL)
LA   English
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FS Nursing Journals
EM 199403
ED Entered STN: 19940318
Last Updated on STN: 19940318
Entered Medline: 19940310

=> d l1 1-3

L1 ANSWER 1 OF 3 MEDLINE
AN 94128466 MEDLINE
DN 94128466 PubMed ID: 8297672
TI Ectopic pregnancy.
AU **Creech C J**
SO JOURNAL OF THE AMERICAN ACADEMY OF NURSE PRACTITIONERS, (1993 Nov-Dec) 5 (6) 249-58. Ref: 34
Journal code: 8916634. ISSN: 1041-2972.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LA English
FS Nursing Journals
EM 199403
ED Entered STN: 19940318
Last Updated on STN: 19940318
Entered Medline: 19940310

L1 ANSWER 2 OF 3 MEDLINE
AN 92311567 MEDLINE
DN 92311567 PubMed ID: 1615260
TI Tumor registrar's role in TNM staging.
AU **Creech C M**
CS Cancer Program, Huntington Memorial Hospital, Pasadena, California.
SO SEMINARS IN SURGICAL ONCOLOGY, (1992 Mar-Apr) 8 (2) 104-6.
Journal code: 8503713. ISSN: 8756-0437.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199207
ED Entered STN: 19920807
Last Updated on STN: 19920807
Entered Medline: 19920728

L1 ANSWER 3 OF 3 MEDLINE
AN 72069423 MEDLINE
DN 72069423 PubMed ID: 4943133
TI Evaluation of the embryotoxic activity of L-asparaginase.
AU Adamson R H; Fabro S; Hahn M A; **Creech C E**; Whang-Peng J
SO ARCHIVES INTERNATIONALES DE PHARMACODYNAMIE ET DE THERAPIE, (1970 Aug) 186 (2) 310-20.
Journal code: 0405353. ISSN: 0301-4533.
CY Belgium
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197202
ED Entered STN: 19900310
Last Updated on STN: 19970203
Entered Medline: 19720229

=> d L2 1-7

L2 ANSWER 1 OF 7 MEDLINE
AN 2000158960 MEDLINE
DN 20158960 PubMed ID: 10692449

TI Cloning and functional characterization of novel large conductance calcium-activated potassium channel beta subunits, hKCNMB3 and hKCNMB4.
AU Brenner R; **Jegla T J**; Wickenden A; Liu Y; Aldrich R W
CS Howard Hughes Medical Institute, Molecular and Cellular Physiology, Stanford School of Medicine, Stanford, California 94305, USA.
NC MH48108 (NIMH)
NS23294 (NINDS)
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 Mar 3) 275 (9) 6453-61.
Journal code: 2985121R. ISSN: 0021-9258.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF207992; GENBANK-AF209747; GENBANK-AF214561
EM 200004
ED Entered STN: 20000413
Last Updated on STN: 20000413
Entered Medline: 20000403

L2 ANSWER 2 OF 7 MEDLINE
AN 1999261971 MEDLINE
DN 99261971 PubMed ID: 10330244
TI Regional contributions of Kv1.4, Kv4.2, and Kv4.3 to transient outward K+ current in rat ventricle.
AU Wickenden A D; **Jegla T J**; Kaprielian R; Backx P H
CS Department of Medicine, Centre for Cardiovascular Research, and the Toronto Hospital, University of Toronto, Toronto, Canada M5G 2C4.
SO AMERICAN JOURNAL OF PHYSIOLOGY, (1999 May) 276 (5 Pt 2) H1599-607.
Journal code: 0370511. ISSN: 0002-9513.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199906
ED Entered STN: 19990614
Last Updated on STN: 19990614
Entered Medline: 19990603

L2 ANSWER 3 OF 7 MEDLINE
AN 83015208 MEDLINE
DN 83015208 PubMed ID: 7122561
TI A review of the molting physiology of the trilobite larva of Limulus.
AU **Jegla T C**
SO PROGRESS IN CLINICAL AND BIOLOGICAL RESEARCH, (1982) 81 83-101.
Journal code: 7605701. ISSN: 0361-7742.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198212
ED Entered STN: 19900317
Last Updated on STN: 19900317
Entered Medline: 19821202

L2 ANSWER 4 OF 7 MEDLINE
AN 83015192 MEDLINE
DN 83015192 PubMed ID: 7122549
TI Temperature and salinity effects on developmental and early posthatch stages of limulus.
AU **Jegla T C**; Costlow J D
SO PROGRESS IN CLINICAL AND BIOLOGICAL RESEARCH, (1982) 81 103-13.
Journal code: 7605701. ISSN: 0361-7742.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 198212
ED Entered STN: 19900317

Last Updated on STN: 19900317
Entered Medline: 19821202

L2 ANSWER 5 OF 7 MEDLINE
AN 72242370 MEDLINE
DN 72242370 PubMed ID: 5047340
TI Effects of ecdysones and some synthetic analogs on horseshoe crab larvae.
AU **Jegla T C**; Costlow J D; Alspaugh J
SO GENERAL AND COMPARATIVE ENDOCRINOLOGY, (1972 Aug) 19 (1) 159-66.
Journal code: 0370735. ISSN: 0016-6480.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197209
ED Entered STN: 19900310
Last Updated on STN: 19900310
Entered Medline: 19720921

L2 ANSWER 6 OF 7 MEDLINE
AN 70159346 MEDLINE
DN 70159346 PubMed ID: 5438604
TI Induction of molting in horseshoe crab larvae by polyhydroxy steroids.
AU **Jegla T C**; Costlow J D Jr
SO GENERAL AND COMPARATIVE ENDOCRINOLOGY, (1970 Apr) 14 (2) 295-302.
Journal code: 0370735. ISSN: 0016-6480.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197005
ED Entered STN: 19900101
Last Updated on STN: 19900101
Entered Medline: 19700527

L2 ANSWER 7 OF 7 MEDLINE
AN 64067421 MEDLINE
DN 64067421
TI THE ACTION OF 5-HYDROXYTRYPTAMINE AND ACETYLCHOLINE ON THE RECTUM OF THE VENUS CLAM, MERCENARIA MERCENARIA.
AU GREENBERG M J; **JEGLA T C**
SO COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY, (1963 AUG) 13 275-90.
ISSN: 0010-406X.
CY ENGLAND: United Kingdom
DT Journal
LA English
FS OLDMEDLINE
EM 196406
ED Entered STN: 19990716
Last Updated on STN: 19990716

Neuron, Vol. 13, 611-621, September, 1994

A Second Subunit of the Olfactory Cyclic Nucleotide-gated Channel Confers High Sensitivity to cAMP

E. R. Liman and L. B. Buck [1]

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617 432 4803 (phone)
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Sensory transduction in olfactory neurons is mediated by intracellular cAMP, which directly gates a nonselective cation channel. A cDNA encoding a cyclic nucleotide-gated (CNG) ion channel subunit (rOCNC1) has been cloned previously from rat olfactory epithelium. However, differences between t functional properties of rOCNC1 and the native olfactory CNG channel suggest that the native chann could be composed of several distinct subunit types. Here, we report the cloning and characterization a cDNA encoding a second olfactory CNG channel subunit (rOCNC2) that is 52% identical to rOCNC and that is expressed specifically in olfactory sensory neurons. Expression of rOCNC2 alone in Xeno oocytes does not lead to detectable CNG currents. However, coexpression of rOCNC2 with rOCNC1 results in a CNG conductance that differs from that detected upon expression of rOCNC1 alone and more closely resembles the native conductance in several respects, including its sensitivity to cAMP. This suggests that the native olfactory CNG channel is a hetero-oligomer composed of rOCNC1 and rOCNC2 subunits.

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- Komatsu, Hidetoshi, Mori, Ikue, Rhee, Jeong-Seop, Akaike, Norio, and Ohshima, Yasumi (1996). Mutations in a Cyclic Nucleotide-Gated Channel Lead Abnormal Thermosensation and Chemosensation in C. elegans. *Neuron* 17:707 **[Summary] [Full Text]**
- Coburn, Cara M. and Bargmann, Cornelia I. (1996). A Putative Cyclic Nucleotide-Gated Channel Is Required for Sensory Development and Function in elegans. *Neuron* 17:695 **[Summary] [Full Text]**
- Brunet, Lisa J., Gold, Geoffrey H., and Ngai, John (1996). General Anosmia Caused by a Targeted Disruption of the Mouse Olfactory Cyclic Nucleotide-Cation Channel. *Neuron* 17:681 **[Summary] [Full Text]**
- Liu, David T., Tibbs, Gareth R., and Siegelbaum, Steven A. (1996). Subunit Stoichiometry of Cyclic Nucleotide-Gated Channels and Effects of Subunit O on Channel Function. *Neuron* 16:983 **[Summary] [Full Text]**